Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptacmb1647

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26	MARPAT enhanced with FSORT command
NEWS 4	NOV 26	CHEMSAFE now available on STN Easy
NEWS 5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS 6	DEC 01	ChemPort single article sales feature unavailable
NEWS 7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS 9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10	COMPENDEX reloaded and enhanced
NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
NEWS 16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS EXPRESS	JUNE 27 08	CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS LOGIN		Welcome Banner and News Items
NEWS IPC8		For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:19:53 ON 05 MAR 2009

=> file medline embase biosis caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST   0.22   0.22

FILE 'MEDLINE' ENTERED AT 12:20:10 ON 05 MAR 2009

FILE 'EMBASE' ENTERED AT 12:20:10 ON 05 MAR 2009

FILE 'BIOSIS' ENTERED AT 12:20:10 ON 05 MAR 2009

FILE 'CAPLUS' ENTERED AT 12:20:10 ON 05 MAR 2009

=> s chromatography and elution and (ammonium(w)acetate or CH3COONH4)
L1   1247 CHROMATOGRAPHY AND ELUTION AND (AMMONIUM(W) ACETATE OR CH3COONH4
)

=> S L1 AND (metal(w)ion)
L2   7 L1 AND (METAL(W) ION)

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3   6 DUP REM L2 (1 DUPLICATE REMOVED)

=> dis ibib abs l3 1-6

L3   ANSWER 1 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:794070 CAPLUS
DOCUMENT NUMBER: 149:159938
TITLE: Ultratrace-level determination of glyphosate,
                         aminomethylphosphonic acid and glufosinate in natural
                         waters by solid-phase extraction followed by liquid
                         chromatography-tandem mass spectrometry:
                         performance tuning of derivatization, enrichment and
                         detection
AUTHOR(S):   Hanke, Irene; Singer, Heinz; Hollender, Juliane
CORPORATE SOURCE: Environmental Chemistry, Eawag, Duebendorf, 8600,
                         Switz.
SOURCE: Analytical and Bioanalytical Chemistry (2008), 391(6),
                         2265-2276
                         CODEN: ABCNBP; ISSN: 1618-2642
PUBLISHER: Springer
DOCUMENT TYPE: Journal
LANGUAGE: English
AB   A sensitive, robust anal. method to quantify glyphosate,
     aminomethylphosphonic acid (AMPA), and glufosinate in natural water was

developed based on derivatization with 9-fluorenylmethylchloroformate (FMOC-Cl), solid phase extraction (SPE), and liquid chromatog ./electro-spray tandem mass spectrometry (LC-ESI-MS/MS). To maximize sensitivity, derivatization was optimized for organic solvent content, FMOC-Cl amount, and reaction time. At a 10% acetonitrile content, a 100% derivatization yield was achieved within 2 h in groundwater and surface water. After a 2-fold dilution, the low acetonitrile content allowed solid phase extraction of an 80-mL sample over 200 mg Strata-X cartridges. To decrease the derivatization byproduct load (e.g., 9-fluorenylmethanol [FMOC-OH]) to the LC column and mass spectrometer, a dichloromethane rinse step was done for the SPE cartridge. Sample acidification and EDTA addition minimized target compound complexation with metal ions in environmental samples. Due to the large sample volume and complete FMOC-OH removal, limits of quantification of 0.7, 0.8, and 2.3 ng/L were achieved for glyphosate, AMPA, and glufosinate in surface water, resp. Limits of detection were as low as 0.2, 0.2, and 0.6 ng/L for glyphosate, AMPA and glufosinate, resp. Surface water and groundwater spiked with 2 ng/L concns. had 91-107% recovery.

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:945686 CAPLUS

DOCUMENT NUMBER: 138:15422

TITLE: Use of different inorganic complexants as eluents for cation-exchange separation of silver from lead

AUTHOR(S): Moldovan, Zenovia; Neagu, Eleonora-Ana; Paraschivoiu, Rodica

CORPORATE SOURCE: Department of Analytical Chemistry, Faculty of Chemistry, University of Bucharest, Bucharest, 70346, Rom.

SOURCE: Analele Universitatii Bucuresti, Chimie (2002), 11(Vol. 1), 171-178
CODEN: ANUBEU; ISSN: 1220-871X

PUBLISHER: Editura Universitatii din Bucuresti

DOCUMENT TYPE: Journal

LANGUAGE: English/French

AB To sep. silver from lead by cation exchange chromatog., different complexants, namely Na2SO3, KSCN, CH3COONH4 were examined as eluents. The best results were obtained for 5% Na2SO3. Thus, trace and milligram amts. of silver were separated from lead by elution of the first with 5% Na2SO3 solution from a column with DOWEX 50 (H+ form). Lead was then eluted with 2M-HNO3. The eluted metal ions were analyzed by AAS technique. The separation was fairly sharp and quant. and the method was used to analyze synthetic mixts.

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:569191 CAPLUS

DOCUMENT NUMBER: 131:193392

TITLE: Extraction chromatographic method of thallium(III) with n-capric acid and its analytical applications

AUTHOR(S): Ghosh, D. K.; Bandyopadhyay, Arup; Roy, Uday Sankar

CORPORATE SOURCE: Department of Chemistry, Santiniketan, 731 235, India

SOURCE: Journal of the Indian Chemical Society (1999), 76(8), 418-420
CODEN: JICSAH; ISSN: 0019-4522

PUBLISHER: Indian Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The extraction chromatog. separation of TlIII from several elements with n-capric acid coated on silica gel is reported. TlIII is quant. extracted from 0.1M ammonium acetate in the pH range 2.4-6.0. TlIII is stripped with 0.01M HCl and estimated spectrophotometrically. The effects of pH, stripping agents, flow rate on extraction and elution, and effect of diverse ions were studied. Microamts. of TlIII were separated from various metal ions. The method permits sequential separation of AlIII, GaIII, InIII and TlIII from synthetic mixture

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:324720 CAPLUS
DOCUMENT NUMBER: 129:19408
ORIGINAL REFERENCE NO.: 129:4073a,4076a
TITLE: Determination of trace metals in sea-water by inductively coupled plasma mass spectrometry interfaced with an ion chromatographic separation system: effectiveness of nitrilotriacetate chelating resin as the column stationary phase for preconcentration and elimination of matrix effects
AUTHOR(S): Kumagai, Hiroki; Yamanaka, Michiko; Sakai, Tetsushi; Yokoyama, Toshiro; Suzuki, Toshishige M.; Suzuki, Takashi
CORPORATE SOURCE: Application Development Section, Yokogawa Analytical Systems Inc., Musashino-shi, 180, Japan
SOURCE: Journal of Analytical Atomic Spectrometry (1998), 13(6), 579-582
CODEN: JASPE2; ISSN: 0267-9477
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Trace metals in seawater were determined by ion chromatog. (IC)-inductively coupled plasma mass spectrometry (ICP-MS). A nitrilotriacetate (NTA)-type chelating resin was used to sep. and enrich analyte metal ions. Transition metals and rare earth elements except Mn were retained on the NTA resin column, whereas alkali and alkaline earth metals were eluted from the column by elution with 0.5 mM HNO3. The NTA resin simplified the procedure for matrix elimination and enrichment of analyte metals since mineral acids can be used as eluents. A linear calibration and repeatability of the signal intensity of ICP-MS were obtained in determining trace metals at <1 μg/L concns. This method was applied to the anal. of Open Ocean Sea-Water Reference Material, NASS-4. Anal. values for Co, Ni, Cu, Zn, No, Cd, Sb, Pb, and U were in good agreement with certified values. Using an ammonium acetate buffer solution (pH 5.28) in the pre-concentration step, Mn was also retained quant. on NTA resin; anal. values of metals (Mn, Co, Ni, Cu, Zn, No, Cd, Sb, Pb, U) contained in NASS-4 were in good agreement with certified values.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 6 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 1983023284 MEDLINE
DOCUMENT NUMBER: PubMed ID: 6289912
TITLE: Preparative isolation of polyphosphoinositide fractions from ox brain.
AUTHOR: Kiselev G V
SOURCE: Biochimica et biophysica acta, (1982 Sep 14) Vol. 712, No. 3, pp. 719-21.
Journal code: 0217513. ISSN: 0006-3002.
PUB. COUNTRY: Netherlands

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198212
ENTRY DATE: Entered STN: 17 Mar 1990
Last Updated on STN: 17 Mar 1990
Entered Medline: 18 Dec 1982

AB A simple preparative method for chromatographic isolation of pure fractions of di- and triphosphoinositides (1-phosphatidylinositol 4-phosphate and 1-phosphatidylinositol 4,5-bisphosphate) from ox brain is described. Polyphosphoinositide fractions have been obtained by ion-exchange chromatography of the lipid extract using gradient elution with 0-0.6 M ammonium acetate in chloroform/methanol/water (20:9:1) from a DEAE-cellulose column. Before chromatography, divalent metal ions were removed from the lipid extract by passing through a Dowex-50 (H+) column and lipids were converted to the sodium salt by neutralisation with sodium hydroxide in methanol solution. After chromatography, fractions of di- and triphosphoinositides were precipitated in methanol/water mixture (1:1) by evaporation in a vacuum to a final concentration of about 4 M ammonium acetate. Necessary salts of di- and triphosphoinositides were obtained by passing the ammonium salts of the lipids through Dowex-50 (H+) and neutralising with corresponding base in methanol solution. About 0.35 mmol of diphosphoinositide and 0.63 mmol of triphosphoinositide were obtained from 1 kg of wet ox brain tissue.

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1977:593106 CAPLUS
DOCUMENT NUMBER: 87:193106
ORIGINAL REFERENCE NO.: 87:30423a,30426a
TITLE: Cation exchange sorption of some metal ions from aqueous ammonium acetate medium: separation of cerium(IV) from cerium(III) and lanthanum(III) and other metal ions
AUTHOR(S): Eusebius, Lalit C. T.; Mahan, Ashok; Ghose, Animesh K.; Dey, A. K.
CORPORATE SOURCE: Chem. Dep., Univ. Allahabad, Allahabad, India
SOURCE: Indian Journal of Chemistry, Section A: Inorganic, Physical, Theoretical & Analytical (1977), 15A(5), 438-42
CODEN: IJCADU; ISSN: 0376-4710
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The cation exchange (Dowex 50W-X8; NH4+-form) characteristics of 19 metal ions in various concns. (0.02-1.60M) of NH4OAc are reported. At low NH4OAc concns. the sorption of Ce(IV) is low whereas other metal ions show appreciable sorption. Through the determination of distribution coeffs. and separation factors as a function of NH4OAc concentration, Ce(IV) was separated from its binary mixts. with Ce(III), La(III), Co(II), Ni(II), Cu(II), Zn(II), or Pb(II). The possibility of separation by column chromatog. in a number of ternary mixts. such as Ce(IV)-UO2(VI)-Ba(II)/Hg(II)/Al(III); Ce(IV)/UO2(VI)-Ce(III)/La(III)/Co(II)/Ni(II)/Cu(II)/Zn(II)/Pb(II)-Ba(II)/Hg(II)/Al(III), was indicated. Separation factors, elution curves, and the results of resolution of synthetic binary mixts. are presented.

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	38.37	38.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.10	-4.10

STN INTERNATIONAL LOGOFF AT 12:27:01 ON 05 MAR 2009